FIG. 1A

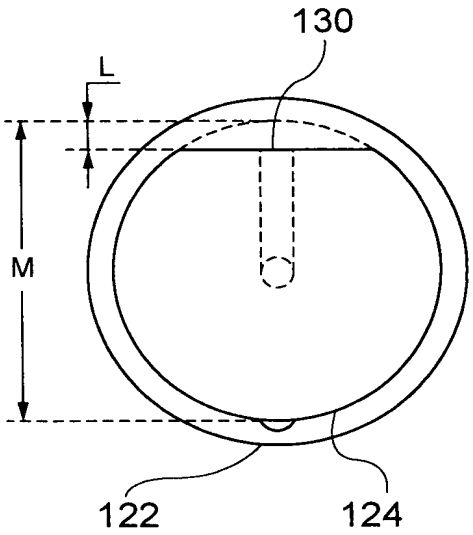

FIG. 1B

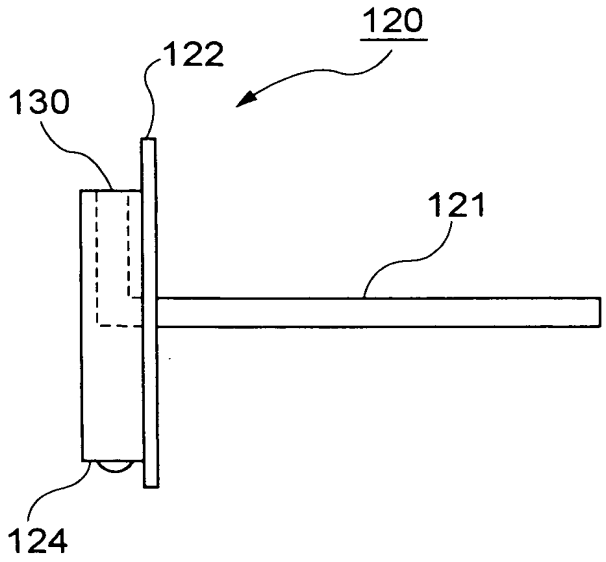

FIG. 2

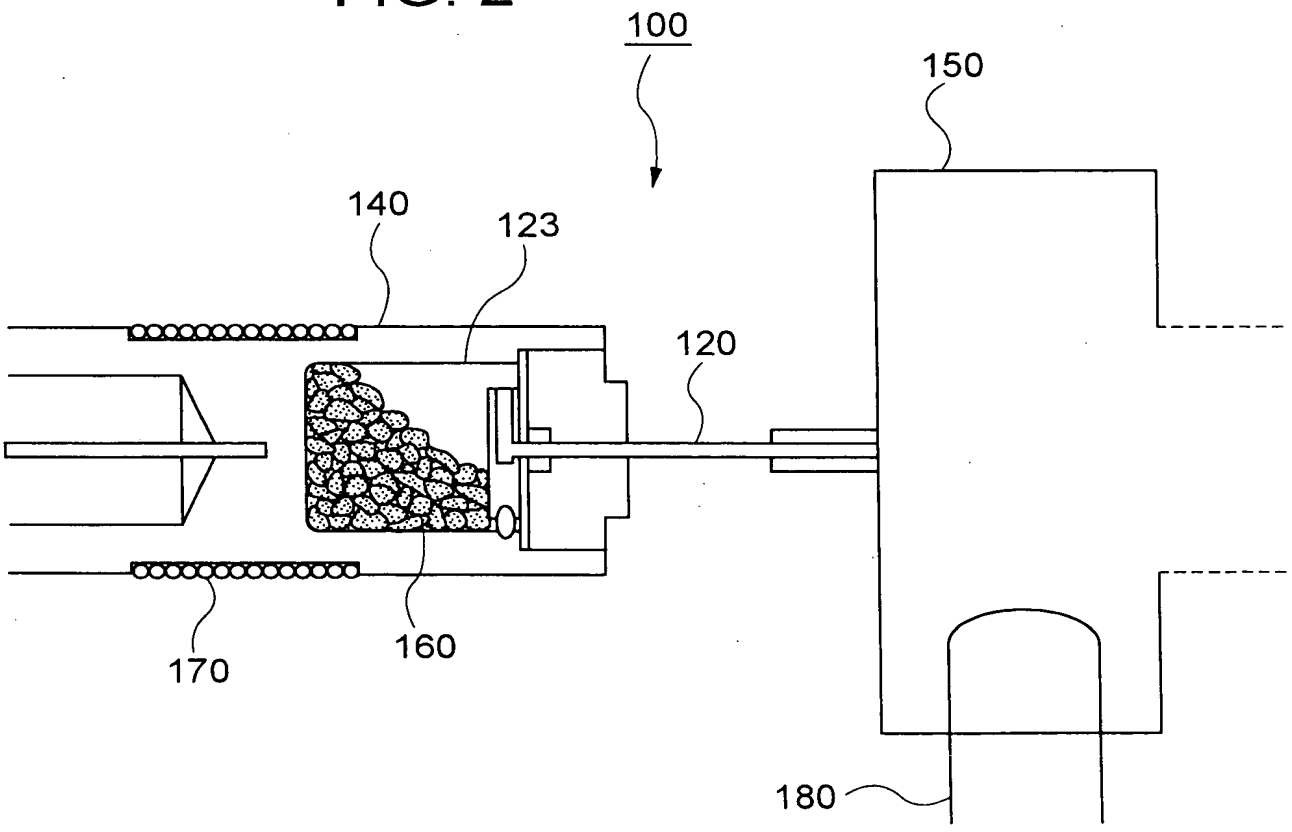

FIG. 3A

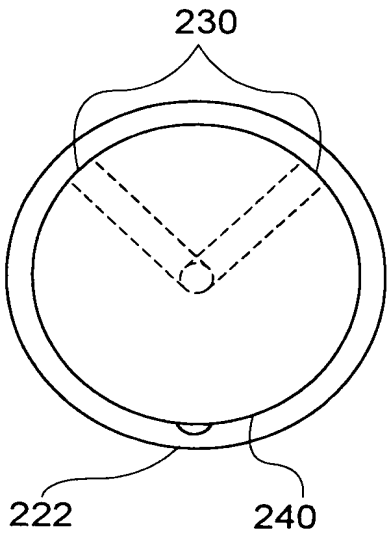

FIG. 3B

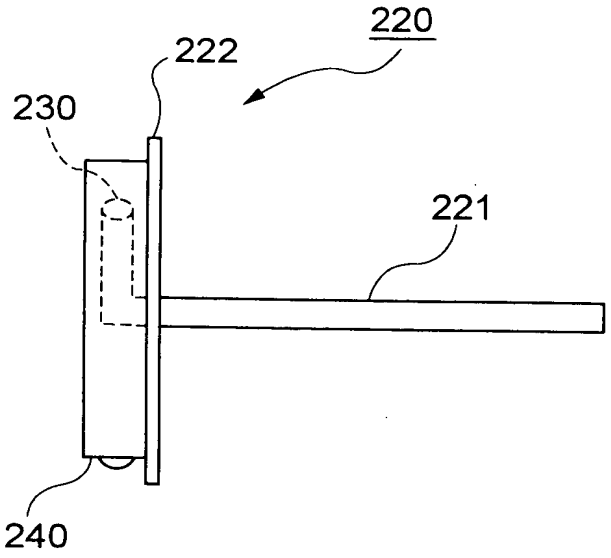

FIG. 4

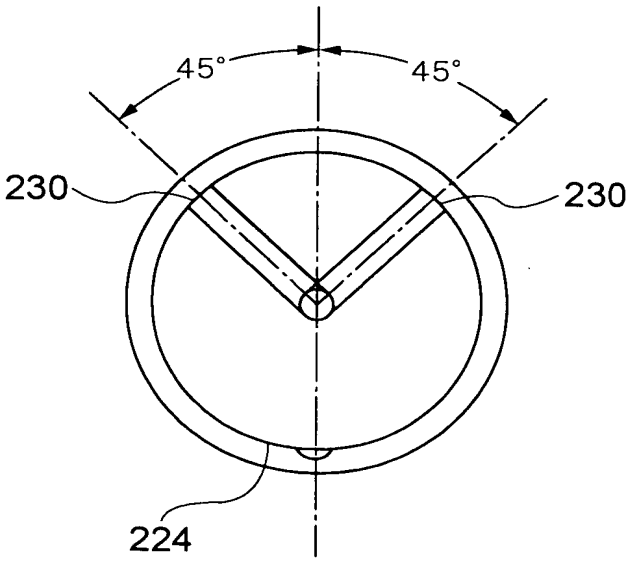

FIG. 5

L (mm)	HEATER TEMPERATURE (°C)	BEAM CURRENT (mA)	NOTES
0	368	7. 24	ARSENIC BURNED ON BACK SURFACE OF NOZZLE
0. 6	312	8. 42	THOUGH BEAM AMOUNT IS STABLE UPON INITIATION, BEAM CURRENT IS NOT STABLE AS THE AMOUNT OF ARSENIC IN CRUCIBLE IS DECREASED.
1. 0	318	8. 16	STABLE BEAM CURRENT
1. 1	318	8. 96	STABLE BEAM CURRENT
1. 4	307	10. 00	INSTABLE BEAM CURRENT

FIG. 6A

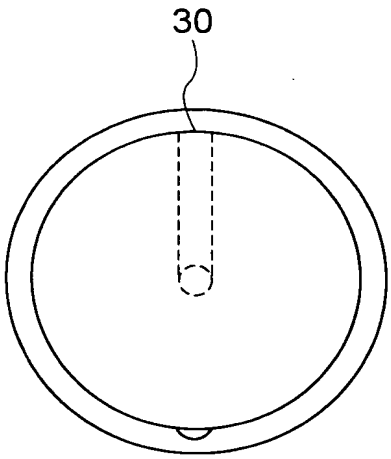

FIG. 6B